



All-in-one full-featured LCD monitor and TV combo

- 15-inch XGA LCD all-in-one Monitor TV with excellent display performance
- Multiple video input allowing display of PC, TV, HDTV (US/ Canada/ Korea/Taiwan), VCD, DVD, Progressive DVD, and CamCorder
- Digital High Definition Picture (1080i /720p/ 576p/480p)
- DCDi™ for superior depiction of motion
- Picture-in-Picture (PIP) function in VGA mode
- Light sensor to automatically adjust brightness
- Teletext (available only in Asia Pacific and Western Europe)
- Digital Nicam/2CS stereo (available only in Asia Pacific and Western Europe)
- Component Video Input (YPbPr/YCbCr) for DVD (available in Asia Pacific and NTSC system areas)
- Euroconnector (SCART) (available in Western Europe)
- MultiSystem TV tuner-PAL/NTSC (available in most Asia Pacific areas)
- Hotel applications available with disable control key/ remote control and with reserved lock port on tuner/AV box



15" LCD Monitor/TV



Technical Specifications

LCD Panel

- Type TFT LCD
- Screen size 15.0 inch
- Pixel pitch 0.297 mm x 0.297 mm
- LCD panel type 1024 x 768 pixels
RGB vertical stripe
Anti-glare polarizer
- Effective viewing area (H)304.1 x (V)228.1 mm
- Display colors 8 bits interface
(16.7M colors)

PC Scanning

- Vertical refresh rate 56-75Hz
- Horizontal frequency 31-63kHz

PC Video

- Video dot rate (Max.) 80MHz
- Input impedance - Video 75 Ohm
- Sync 2K Ohm
- Input signal levels 0.7Vpp
- Sync input signal Separate sync
- Sync polarities Positive and negative

Optical characteristics

- Contrast ratio 500:1 (typ.)
- Brightness 310 cd/m² (typ.)
- Peak contrast angle 6 o'clock
- White chromaticity(PC) x:0.281
y:0.311 (at 9300°K)
x:0.312
y:0.338 (at 6500°K)
- Viewing angle C/R ≥5 Upper ≥55 (typ.)
Lower ≥65 (typ.)
Left ≥70 (typ.)
Right ≥70 (typ.)
- Response time ≤25 ms (typ.)

Resolution & preset modes

- Maximum 1024 x 768 at 75Hz
- Recommended 1024 x 768 at 60Hz
- 15 user definable modes
- 17 factory preset modes

Resolution	Mode	fh(kHz)	fv(Hz)
PC			
640x350	VGA-1	31.469	70.086
640x480	VGA VESA 60	31.469	59.940
640x480	Mac 13	35.000	66.667
640x480	VGA VESA 75	37.500	75.000
720x400	IBM VGA 3H	31.468	70.087
800x600	SVGA VESA 56	35.156	56.250
800x600	SVGA VESA 60	37.879	60.317
800x600	SVGA VESA 75	46.875	75.000
832x624	Mac 16	49.724	74.550
1024x768	XGA VESA 60	48.363	60.004
1024x768	XGA VESA 75	60.023	75.029
Video			
Video	60 Hz	15.734	59.940
Video	50 Hz	15.625	50.000
Progressive Video			
HDTV	480P	31.470	60.000
Pr. Component	576P	31.250	50.000
HDTV	1080I	33.750	60.000
HDTV	720P	45.000	60.000

(Interlace mode is not applicable.)

Plug and play compatibility

- Display data channel DDC 2B (VESA)
- PC2001, NSTL, Microsoft® Windows®98/Me/2000/XP compatible

Power Management

- Complies with EPA Energy Star and NUTEK specifications
- Operation 48W* (typical)
 - Sleep mode < 2W
 - Power button LED indicator
 - Operation Blue
 - Stand by/sleep Amber

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

- Front Power on/off -(Lock Switch)
- Source -(Touch-sense Switch)
- Menu(OK) -(Touch-sense Switch)
- Up/Down(Channel) -(Touch-sense Switch)
- +/- (Volume) -(Touch-sense Switch)
- Power button LED indicator
 - Blue -(power on)
 - Amber -(stand by/sleep mode)

Connections

- REAR LEFT**
- 12Volt DC in
 - D-sub in (for PC)
 - PC Audio in
 - VGAI / HDTV in (for HDTV/ Progressive DVD)
 - HDTV/ Progressive DVD Audio in
- REAR RIGHT**
- TV in (antenna/cable)
 - DVD Component Video (YPbPr/YCbCr) in (available only in Asia Pacific, and NTSC system areas)
 - S-Video in
 - CVBS Video in (available only in Asia Pacific, and NTSC system)
 - AV Audio L/R in
 - Euroconnector (SCART): RGB in, CVBS in/out (available only in Western Europe)
- SIDE**
- Headphone jack 3.5mm out
 - Stereo line out Jack 3.5mm for external speaker

Regulatory approvals

- TUV/GS, TÜV-Ergo
- FCC-B, UL, CSA
- SEMKO
- CE Mark
- NUTEK, Energy Star
- TCO '99
- E2000

Physical specifications

- Dimension 392 x 338 x 54 mm
(Wx H x D) without stand
392 x 374.1 x 167.8 mm
(WxHxD) with stand
-5°~25°
- Tilt
- Weight 4.1kg
- Power supply
 - Input 100-240V AC, 50/60 Hz 1.5 A
 - Output 12V DC, 4.58 A
- Temperature 0°C to 35°C (operating)
-20°C to 60°C (storage)
- Relative humidity 20% to 80%
- System MTBF 50K hrs
(excluding CCFL 40K hrs)

Picture

- Picture in Picture
- Comb Filter (available only in Asia Pacific and Western Europe)
- Digital Comb Filter (available only in NTSC system)
- Dynamic Noise Reduction (DNR)
- Smart Picture Setting (Movies, Sports, Weak Signal, Personal)
- Light sensor Automatically adjust the brightness according to environment lighting condition (turn ON/OFF in OSD menu)

Sound

- 5W Stereo Audio (2.5W/ Channel RMS x 2, 200Hz~10kHz, 4 Ohms, 10%THD)
- Digital Nicam/2CS Stereo (available only in Asia Pacific and Western Europe)
- Smart Sound Setting (Theatre, Music, Voice, Normal)
- Surround

Ease of Use Installation

- Remote control
- 100 Preset channels (available only in Asia Pacific and Western Europe)
- 181 channels (available only in NTSC system)
- Autostore
- Sleep Timer

Reception

- TV system PAL (BG, DK, I) and SECAM (BG, DK, LL') (available only in Asia Pacific and Western Europe)
- TV system NTSC, PAL(M, N) (available only in North/South America area, Korea, and Taiwan)
- Stereo System NICAM/IGR/2CS (available only in Asia Pacific and Western Europe)
- Stereo System MTS with SAP (available only in NTSC system)
- Video Playback Multi-system including NTSC 4.43/3.58
- 10 page Teletext (available only in Asia Pacific and Western Europe)

Others

- Security Port Kensington Lock Port
Cable door Lock Port
- Wall mounting (options) Standard VESA mounting
Pedestal hook easy mounting

* Resolution 1028 x 768, standard size, contrast max., brightness 50%, 9300°K. Full white pattern, without Audio.

We recommend using 1024 x 768 at 60 Hz non-interlaced mode for the best picture quality. As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency. Microsoft and Windows are registered trademarks of Microsoft Corporation.

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